

Claims

1. Material for cartilage-like material substitution comprising a fibre-reinforced from monomers polymerised hydrogel, whereby this contains 10 - 70 % (m/m) swellable
5 fibres (based on the dry matter) and whereby 1 - 5 % (m/m) (based on the dry matter) of a substance that contains ionised groups has been added to said hydrogel.

2. Material for cartilage-like material substitution according to Claim 1, wherein said hydrogel comprises a polymer based on hydroxyethyl methacrylate (HEMA).

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3. Material for cartilage-like material substitution according to Claim 1 or 2, wherein said substance containing ionised groups comprises methacrylic acid.

4. Material for cartilage-like material substitution according to Claim 3,
15 comprising 1 - 5 % (m/m) methacrylate.

5. Material for cartilage-like material substitution according to one of the preceding claims, wherein said fibre comprises a fibre saturated in liquid.

20 6. Material for cartilage-like material substitution according to one of the preceding claims, wherein said fibre comprises a fibre based on polyurethane material.

7. Prosthesis consisting of a material for cartilage-like material substitution according to one of the preceding claims.